

**SECOND SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.114(c)**  
**U.S. Application No. 10/551,475 (Q111431)**

**REMARKS**

This Second Supplemental Amendment supplements the Amendment filed June 8, 2010, and the Supplemental Amendment filed September 1, 2010, and is also filed in reply to the Office Action dated November 29, 2009, is believed to be fully responsive to each point of objection and rejection raised therein. Accordingly, favorable reconsideration on the merits is respectfully requested.

Claims 47-55, 57, 59-60, 63-67, 69-79, 83-84, 86-89, 91-105, 107-114, 118, 120, 122-123, and 125-131 are all the claims pending in the application. Claims 1-46, 56, 58, 61-62, 68, 80-82, 85, 90, 106, 115-117, 119, 121, and 124 are canceled. Claims 48-55, 57, 59-60, 63, 67, 69-79, 83-84, 86-89 and 92-100, are withdrawn from consideration. Claims 47, 64, 72, 86, 91, 93, 95, 107-108, 113, 118 and 120 are currently amended. In particular, independent Claims 47, 64, 93, and 95 are amended herewith to recite that "Fl is selected from 4,4-difluoro-4-bora-3a,4a-diaz-s-indacene dyes, and includes a substituent -t- which is a heteroaryl or alkenyl group which performs a fluorescence modifying function which shifts the fluorescence to the red part of the spectrum and raises the absorption max value." Exemplary support may be found throughout the specification, at for example page 27, line 29 to page 28, line 7 and in Claims 115 and 117. Furthermore, Claims 107, 108, 118 and 120 are amended herewith to depend on Claim 64.

Claims 125-131 are newly added. Exemplary support for new claim 125 may be found throughout the specification, at for example page 20, lines 9-10. Exemplary support for new Claim 126 may be found throughout the specification, at for example Page 20, lines 11-12. Exemplary support for new Claim 127 may be found throughout the specification, at for example Page 20, line 12. Exemplary support for new claim 128 may be found throughout the

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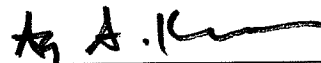
specification, at for example Page 20, lines 15-26 and Page 21, line 6. Exemplary support for new Claim 129 may be found throughout the specification, at for example Page 21, line 7. Exemplary support for new Claim 130 may be found throughout the specification, at for example Page 21, lines 12-14 and 27 and Page 22, lines 1-3. Exemplary support for new Claim 131 may be found throughout the specification, at for example Page 22, lines 5-13. No new matter is added by way of this amendment. Entry and consideration of this amendment are respectfully requested.

**II. Conclusion**

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The U.S. Patent and Trademark Office is hereby directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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